MARKED-UP CLAIMS

42. (Amended) A method for increasing the responsiveness of a cancer cell to a cancer therapy, comprising:

administering to a subject having a cancer an effective amount for increasing the responsiveness of a cancer cell to a cancer therapy of an immunostimulatory nucleic acid, comprising [having a sequence including at least the following formula]:

$$5' X_1 X_2CGX_3 X_4 3'$$

wherein C is unmethylated, wherein X_1X_2 and X_3X_4 are nucleotides, and wherein the sequence is not palindromic.

57. (Amended) The method of claim 56, wherein the nucleic acid backbone includes the phosphate backbone modification [at] on the 5' inter-nucleotide linkages [end of the nucleic acid].

58. (Amended) The method of claim 56, wherein the nucleic acid backbone includes the phosphate backbone modification [at] on the 3' inter-nucleotide linkages [end of the nucleic acid].

66. (Amended) A method for enhancing recovery of bone marrow in a subject undergoing or having undergone cancer therapy, comprising:

administering to a subject undergoing or having undergone cancer therapy which damages the bone marrow an effective amount for enhancing the recovery of bone marrow of an immunostimulatory nucleic acid, comprising [having a sequence including at least the following formula]:

$$5' X_1 X_2CGX_3 X_4 3'$$

wherein C is unmethylated, wherein X_1X_2 and X_3X_4 are nucleotides.

71. (Amended) In a method for stimulating an immune response in a subject having a cancer, the method of the type involving antigen dependent cellular cytotoxicity (ADCC), the improvement comprising:

administering to the subject an immunostimulatory nucleic acid, comprising [having a sequence including at least the following formula]:

$$5' X_1 X_2CGX_3 X_4 3'$$

wherein C is unmethylated, wherein X_1X_2 and X_3X_4 are nucleotides[, and wherein the sequence is not palindromic].

72. (Amended) The method of claim 71, wherein at least one nucleotide has a phosphate backbone modificati[0]on.